

killed. However, the inventors of the present application after many experiments were able to demonstrate that epothilones compounds could be used in the treatment of cancer at the therapeutically effective concentration claimed.

For all the reasons set forth above, the claimed pharmaceutical compositions and methods of treating cancer cannot be rendered obvious by the limited teachings of Bollag *et al.*

REMARKS

If it is believed that a telephone conversation would expedite matters, the Examiner is invited to contact the undersigned at (617) 248-5215. The Examiner is authorized to charge any fees associated with this amendment, or to refund fees for any overpayment, to our Deposit Account No.: 03-1721

Respectfully submitted,



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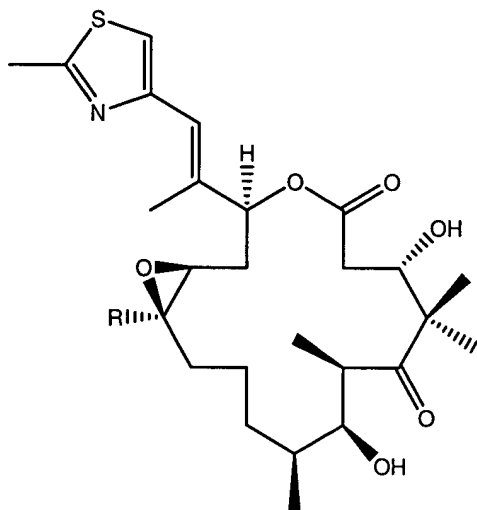
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Date: December 6, 2002

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Pending Claims (after entry of amendment)

144. (New) A pharmaceutical composition for delivering a therapeutically effective amount of a compound to a mammal, the pharmaceutical composition comprising: an amount of a compound and a therapeutically acceptable carrier, wherein the compound has the structure:



wherein R is hydrogen or methyl; and

wherein the amount of the compound in carrier is sufficient for the composition to deliver to the mammal between about 0.001 mg to about 40 mg compound pre kg body weight.

145. (New) The pharmaceutical composition of claim 144, wherein R is hydrogen.

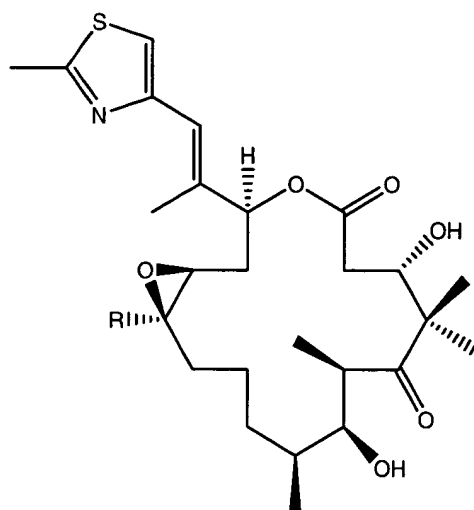
146. (New) The pharmaceutical composition of claim 144, wherein R is methyl.

147. (New) The pharmaceutical composition of any one of claims 144-146, wherein the therapeutically effective amount is an amount sufficient to deliver about 0.01 mg to about 40 mg compound per kg body weight.

148. (New) The pharmaceutical composition of any one of claims 144-146, wherein the therapeutically effective amount is an amount sufficient to deliver about 0.001 mg to about 25 mg compound per kg body weight.

149. (New) The pharmaceutical composition of any one of claims 144-146, wherein the therapeutically effective amount is an amount sufficient to deliver about 0.01 mg to about 25 mg compound per kg body weight.

150. (New) A method of treating cancer in a subject comprising:
administering to the subject in need thereof a therapeutically effective amount of a compound having the structure:



wherein R is hydrogen or methyl; and

wherein the therapeutically effective amount of the compound is an amount between about 0.001 mg to about 40 mg compound per kilogram of the subject's body weight.

151. (New) The method of claim 150, wherein R is hydrogen.

152. (New) The method of claim 150, wherein R is methyl.

153. (New) The method of any one of claims 150-152, wherein the therapeutically effective amount is an amount sufficient to deliver about 0.01 mg to about 40 mg compound per kg body weight.

154. (New) The method of any one of claims 150-152, wherein the therapeutically effective amount is an amount sufficient to deliver about 0.001 mg to about 25 mg compound per kg body weight.

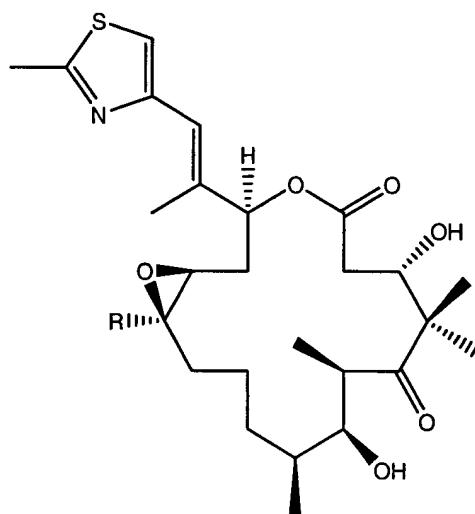
155. (New) The method of any one of claims 150-152, wherein the therapeutically effective amount is an amount sufficient to deliver about 0.01 mg to about 25 mg compound per kg body weight.

156. (New) The method of any one of claims 150-152, wherein the composition is administered to the subject at least twice in a seven-day period.

157. (New) The method of any one of claims 150-152, wherein the step of administering comprises:

administering in at least two does a therapeutically effective amount of the compound to a subject in need thereof, wherein the therapeutically effective amount of the epothilone is an amount sufficient to deliver about 0.001 mg to about 40 mg epothilone per kilogram body weight.

158. (New) A method of inhibiting growth of a tumor in an animal comprising:
administering to an animal that has a tumor an amount of a composition comprising a compound having the structure:



wherein R is hydrogen or methyl;

wherein the amount being effective to inhibit growth of the tumor without administration of the composition killing the animal; and

wherein the amount of the composition is an amount sufficient to deliver about 0.001 mg to about 40 mg epothilone per kilogram body weight.

159. (New) The method of claim 158, wherein R is hydrogen.

160. (New) The method of claim 158, wherein R is methyl.